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PTO/5817 (10-03)

Approved for use through 07/31/2006. OMB 0551-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 65

## Complete if Known

Application Number 10/815,321  
Filing Date April 1, 2004  
First Named Inventor Bonabeau et al.  
Examiner Name NYA  
Art Unit 2121  
Attorney Docket No. ICO-001.01

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None  
Order

☒ Deposit Account

Deposit Account Number 08-1448, Reference: ICO-001.01

Deposit Account Name Foley Hoag LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385			Utility filing fee	
1002	340	2002	170			Design filing fee	
1003	530	2003	265			Plant filing fee	
1004	770	2004	385			Reissue filing fee	
1005	160	2005	80			Provisional filing fee	

SUBTOTAL (1)

(\$0)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims  -20 \*\* =  0 X  =  0  
Independent Claims  -3 \*\* =  0 X  =  0  
Multiple Dependent  X  =  0

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1202	18	2202	9			Claims in excess of 20	
1201	86	2201	43			Independent claims in excess of 3	
1203	290	2203	145			Multiple dependent claim, if not paid	
1204	86	2204	43			** Reissue independent claims over original patent	
1205	18	2205	9			** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2)

(\$0)

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65			Surcharge - late filing fee or oath	65
1052	50	2052	25			Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130			Non-English specification	
1812	2,520	1812	2,520			For filing a request for reexamination	
1804	920*	1804	920*			Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*			Requesting publication of SIR after Examiner action	
1251	110	2251	55			Extension for reply within first month	
1252	420	2252	210			Extension for reply within second month	
1253	950	2253	475			Extension for reply within third month	
1254	1,480	2254	740			Extension for reply within fourth month	
1255	2,010	2255	1,005			Extension for reply within fifth month	
1401	330	2401	165			Notice of Appeal	
1402	330	2402	165			Filing a brief in support of an appeal	
1403	280	2403	145			Request for oral hearing	
1451	1,510	1451	1,510			Petition to Institute a public use proceeding	
1452	110	2452	55			Petition to revive - unavoidable	
1453	1,330	2453	665			Petition to revive - unintentional	
1501	1,330	2501	665			Utility issue fee (or reissue)	
1502	480	2502	240			Design issue fee	
1503	640	2503	320			Plant issue fee	
1480	130	1480	130			Petitions to the Commissioner	
1807	50	1807	50			Processing fee under 37 CFR 1.17 (a)	
1808	180	1808	180			Submission of Information Disclosure Sheet	
8021	40	8021	40			Recording each patent assignment per property (times number of properties)	
1809	770	2809	385			Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385			For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385			Request for Continued Examination (RCE)	
1802	900	1802	900			Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$65)

## SUBMITTED BY

Name (Print/Type)	Registration No. (Attorney/Agent)	Telephone	Date
Kevin A. Oliver	42,049	(617) 832-1241	August 10, 2004

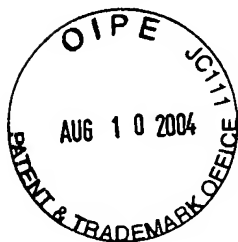
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



**FOLEY  
HOAG** LLP  
ATTORNEYS AT LAW

**Fax**

Date: August 10, 2004

To: Office of Initial Patent  
Examination

Fax #: 703-746-4060

Confirm#:

Client Matter#: 22604-101

From: Kevin A. Oliver

Sender's Number: 1241

User #: 6874

Total Pages Sent (Including Cover Sheet):

13

Office: Boston

**Message**

Re: U.S. Application No. 10/815,321

Filed: April 1, 2004

Title: Methods and Systems for Interactive Evolutionary Computing (IEC)

Attorney Docket No. ICO-001.01

Dear Sir/Madam:

Please find enclosed, subject to a facsimile of transmission dated August 10, 2004 to the above FAX number, the following:

- 1) Response to Notice to File Missing Parts (1 page);
- 2) (Copy of) Notice to File Missing Parts of Nonprovisional Application (2 pages);
- 3) Executed Declaration For Utility Application Using an Application Data Sheet (6 pages);
- 4) Fee Transmittal for FY 2004 (in duplicate) (2 pages); and
- 5) Certificate of Transmission under 37 CFR 1.8 (1 page).

Kevin A. Oliver  
Reg. No. 42,049

**IMPORTANT - PLEASE READ**

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS INTENDED ONLY FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED RECIPIENTS NAMED ABOVE. THIS MESSAGE MAY BE AN ATTORNEY-CLIENT COMMUNICATION AND AS SUCH IS PRIVILEGED AND CONFIDENTIAL. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR AN AGENT RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT YOU HAVE RECEIVED THIS DOCUMENT IN ERROR, AND THAT ANY REVIEW, DISSEMINATION, DISTRIBUTION OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US BY MAIL. THANK YOU.

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION PLEASE TELEPHONE THE SENDER.

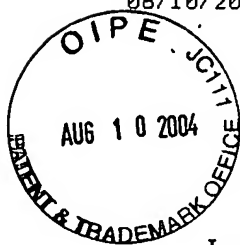
Seaport World Trade Center West / 155 Seaport Blvd. / Boston, MA 02210-2600 / TEL: 617.832.1000 / FAX: 617.832.7000

Enlow Room 110

BOSTON

WASHINGTON DC

www.foleyhoag.com



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Bonabeau, et al.

Serial No: 10/815,321

Filed: April 1, 2004

For: Methods and Systems for Interactive  
Evolutionary Computing (IEC)

Art Unit: 2121

Attorney Document No. ICO-001.01

**RESPONSE TO NOTICE TO FILE MISSING PARTS**OIPE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

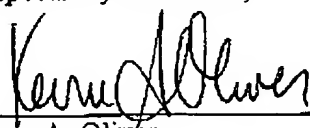
Enclosed are the following: (1) copy of the Notice to File Missing Parts; (2) Executed Declaration For Utility Application Using an Application Data Sheet; (3) Fee Transmittal Form (in duplicate); and (4) Certificate of Fax Transmission (SB-97).

Applicants' attorney hereby authorizes the Office to charge any fees which may be required to Deposit Account No. 06-1448, Reference: ICO-001.01.

Respectfully submitted,

Date: August 10, 2004

**Customer No: 25181**  
Patent Group  
Foley, Hoag, LLP  
WORLD TRADE CENTER WEST  
155 Seaport Boulevard  
Boston, MA 02210-2600  
Telephone: (617) 832-1241

  
\_\_\_\_\_  
Kevin A. Oliver  
Reg. No. 42,049



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/815,321	04/01/2004	Eric Bonabeau	ICO-001.01

25181  
 FOLEY HOAG, LLP  
 PATENT GROUP, WORLD TRADE CENTER WEST  
 155 SEAPORT BLVD  
 BOSTON, MA 02110

CONFIRMATION NO. 7561

## FORMALITIES LETTER

\*OC000000012971348\*

Date Mailed: 06/17/2004



## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$65 for a Small Entity

- \$65 Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

08/12/2004 AWONDAF1 00000004 061448 10815321

01 FC:2051 65.00 DA

*A copy of this notice **MUST** be returned with the reply.*

M-WAILE

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PTO/SB/87 (08-03)

Approved for use through 07/31/2005. OMB 0651-0031

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**Certificate of Transmission under 37 CFR 1.8**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office

on August 10, 2004.

Date

Signature

Teresa Barbuto

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Response to Notice to File Missing Parts (1 page); (Copy of) Notice to File Missing Parts of Nonprovisional Application (2 pages); Executed Declaration for Utility Application Using an Application Data Sheet (37 CFR 1.76) (6 pages); Fee Transmittal for FY 2004 (in duplicate) (2 pages); and a FAX transmittal sheet (1 page).

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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